

AMENDMENTS TO THE CLAIMS

Claims 1-40 (Canceled).

1 ~~41~~. (Currently Amended) An isolated nucleic acid molecule comprising a polynucleotide sequence selected from the group consisting of:

(a) an isolated polynucleotide encoding a polypeptide corresponding to amino acids 1 to 409 of SEQ ID NO:6 including the start codon;

(b) an isolated polynucleotide encoding a polypeptide corresponding to amino acids 2 to 409 of SEQ ID NO:6 minus the start codon;

(c) an isolated polynucleotide encoding a mature polypeptide corresponding to amino acids 53 to 409 of SEQ ID NO:6; and

(d) an isolated polynucleotide which represents the ~~complimentary~~complementary sequence (antisense) of (a), (b), or (c); and

~~— (e) a polynucleotide that hybridizes under stringent conditions to any one of the polynucleotides specified in (a)–(c), wherein said stringent conditions refers to a hybridization that is at least as stringent as the following conditions: an overnight incubation at 42 degree C in a solution comprising 50% formamide, 5x SSC (750 mM NaCl, 75 mM trisodium citrate), 50 mM sodium phosphate (pH 7.6), 5x Denhardt's solution, 10% dextran sulfate, and 20 µg/ml denatured, sheared salmon sperm DNA, followed by washing the filters in 0.1x SSC at about 65 degree C, wherein said polynucleotide does not hybridize under stringent conditions to a nucleic acid molecule having a nucleotide sequence of only A residues or of only T residues, and wherein the complimentary sequence of said polynucleotide encodes a polypeptide that induces apoptosis in a cell or tissue in which said polypeptide is recombinately expressed.~~

2 ~~42~~. (Previously Presented) The isolated nucleic acid molecule of claim ~~41~~, wherein said polynucleotide is (a). 2

3 ~~43~~. (Previously Presented) The isolated nucleic acid molecule of claim ~~42~~, wherein said polynucleotide comprises nucleotides 634 to 1860 of SEQ ID NO:5. 1

4 ~~44~~. (Previously Presented) The isolated nucleic acid molecule of claim ~~41~~, wherein said polynucleotide is (b). 4

5 ~~45~~. (Previously Presented) The isolated nucleic acid molecule of claim ~~44~~, wherein said polynucleotide comprises nucleotides 637 to 1860 of SEQ ID NO:5.

6 ~~46~~. (Previously Presented) The isolated nucleic acid molecule of claim ~~41~~, wherein said polynucleotide is (c).

7 ~~47~~. (Previously Presented) The isolated nucleic acid molecule of claim ~~46~~, wherein said polynucleotide comprises nucleotides 790 to 1860 of SEQ ID NO:5.

48. (Canceled).

49. (Canceled).

8 ~~50~~. (Previously Presented) The isolated nucleic acid molecule of claim ~~41~~, wherein said polynucleotide is (d).

51. (Canceled).

9 ~~52~~. (Currently Amended) A recombinant vector ~~comprising the isolated nucleic acid molecule of a member of the group consisting~~ comprising a member of the group consisting of the isolated nucleic acid molecule of claim ~~41~~(a), (b), and (c), and (e).

10 ~~53~~. (Currently Amended) A recombinant host cell comprising the vector ~~sequence~~ sequence of claim ~~52~~. ¹⁰

11 ~~54~~. (Previously Presented) A method of making an isolated polypeptide comprising:
(a) culturing the recombinant host cell of claim ~~53~~ under conditions such that said polypeptide is expressed; and

(b) recovering said polypeptide.

12 ~~55~~. (Previously Presented) The isolated polynucleotide of claim ~~41~~ wherein said nucleic acid sequence further comprises a heterologous nucleic acid sequence. ¹²

13 ~~56~~. (Previously Presented) The isolated polynucleotide of claim ~~55~~ wherein said heterologous nucleic acid sequence encodes a heterologous polypeptide. ¹³

14 ~~57~~. (Previously Presented) The isolated polynucleotide of claim ~~56~~ wherein said heterologous polypeptide is the Fc domain of immunoglobulin.

58. (Canceled).

59. (Canceled).

60. (Canceled).

61. (Canceled).

62. (Canceled).

63. (Canceled).

15 ~~58~~. (Previously Presented) A recombinant vector comprising the isolated nucleic acid molecule of claim ~~41~~(d).

16. ~~65.~~ (Currently Amended) A recombinant host cell comprising the vector sequence ~~sequence~~ of claim ~~64.~~ 15

66. (Canceled).

17. ~~67.~~ (New) An isolated polynucleotide encoding a polypeptide comprising amino acids 62 to 409 of SEQ ID NO:6. 17

18. ~~68.~~ (New) The isolated nucleic acid molecule of claim ~~67.~~ 17, wherein said polynucleotide comprises nucleotides 817 to 1860 of SEQ ID NO:5. 17

19. ~~69.~~ (New) The isolated nucleic acid molecule of claim ~~67.~~ 17, wherein said polynucleotide further comprises a polynucleotide encoding the extracellular region of the mouse CD8/Lyt2a polypeptide. 18

20. ~~70.~~ (New) The isolated nucleic acid molecule of claim ~~68.~~ 18, wherein said polynucleotide further comprises a polynucleotide encoding the extracellular region of the mouse CD8/Lyt2a polypeptide.

21. ~~71.~~ (New) An isolated polynucleotide encoding a polypeptide comprising at least 332 contiguous amino acids of the polypeptide provided as SEQ ID NO:6, wherein said polynucleotide encodes a polypeptide that induces apoptosis in a cell in which said polypeptide is recombinately expressed. 21

22. ~~72.~~ (New) The isolated polynucleotide of claim ~~71.~~ 21, comprising at least 996 contiguous nucleotides of the polynucleotide sequence provided as SEQ ID NO:5.